

# Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

**Name of Work:** Construction of RCC drain in 2nd cross roads at Prashanthnagara, in ward no.13, in Shettyhalli Sub-Division

**Est. Cost Rs. 25.00 Lakhs**

| SI No | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Unit           | No  | L      | B     | D     | Qty           | Rate    | Amount            |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----|--------|-------|-------|---------------|---------|-------------------|
| 1     | KSRRB 300-3. Earthwork excavation by manual means in ordinary soil involving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 141/ Item No. 19.1/ PWD SR 2015-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |     |        |       |       |               |         |                   |
|       | From muthuraj swamy temple to ramesh road, 2nd cross - RCC drain L/S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cum            | 1   | 227.00 | 0.90  | 0.75  | 153.23        |         |                   |
|       | From muthuraj swamy temple to ramesh road, 2nd cross - RCC drain R/S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                | 1   | 211.00 | 0.90  | 0.75  | 142.43        |         |                   |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |     |        |       |       | <b>295.65</b> | 83.16   | <b>24586.00</b>   |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 77.00          |     |        |       |       |               |         |                   |
|       | Area Weightage @ 8%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6.16           |     |        |       |       |               |         |                   |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 83.16          |     |        |       |       |               |         |                   |
| 2     | KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.2/ PWD SR 2015-16                                                                                                                                                                                                                                                                                                                                                                                                                                      | Cum            |     |        |       |       |               |         |                   |
|       | RCC Drain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                | 1   | 227.00 | 0.90  | 0.15  | 30.65         |         |                   |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                | 1   | 211.00 | 0.90  | 0.15  | 28.49         |         |                   |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |     |        |       |       | <b>59.13</b>  | 5139.94 | <b>303925.00</b>  |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4849.00        |     |        |       |       |               |         |                   |
|       | Area Weightage @ 6%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 290.94         |     |        |       |       |               |         |                   |
|       | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>5139.94</b> |     |        |       |       |               |         |                   |
| 3     | KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed -2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5, P.13/1.4.11/ PWD SR 2015-16 |                |     |        |       |       |               |         |                   |
|       | Walls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Cum            | 1x2 | 227.00 | 0.130 | 0.75  | 44.27         |         |                   |
|       | Bed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                | 1   | 227.00 | 0.70  | 0.13  | 20.66         |         |                   |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                | 1x2 | 211.00 | 0.13  | 0.70  | 38.40         |         |                   |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                | 1   | 211.00 | 0.70  | 0.13  | 19.20         |         |                   |
|       | covering                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | 1   | 200.00 | 0.90  | 0.15  | 27.00         |         |                   |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                | 1   | 185.00 | 0.90  | 0.15  | 24.98         |         |                   |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |     |        |       |       | <b>174.50</b> | 6083.34 | <b>1061543.00</b> |
|       | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5739.00        |     |        |       |       |               |         |                   |
|       | Area Weightage @ 6%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 344.34         |     |        |       |       |               |         |                   |
|       | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>6083.34</b> |     |        |       |       |               |         |                   |
| 4     | KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3, TMT bars Fe 500. Page No. 17/ Item No. 4.46.2/ PWD SR 2015-16                                                                                                                                                                                                                                                                                                                                                                |                |     |        |       |       |               |         |                   |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Qtls           |     | 174.50 | x     | 60kgs | 104.70        |         |                   |

|   |                                                                                                                                                                                                                                                                                                                                                                                                      |                |     |        |      |      |               |               |                  |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----|--------|------|------|---------------|---------------|------------------|
|   |                                                                                                                                                                                                                                                                                                                                                                                                      |                |     |        |      |      | 104.70        | 6851.31       | 717332.00        |
|   | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                           | 6463.50        |     |        |      |      |               |               |                  |
|   | Area Weightage @ 6%                                                                                                                                                                                                                                                                                                                                                                                  | 387.81         |     |        |      |      |               |               |                  |
|   | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                         | <b>6851.31</b> |     |        |      |      |               |               |                  |
| 5 | KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters,buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9. exceeding 1m in depth. Page No. 15/ Item No. 4.31/ PWD SR 2015-16     |                | Sqm |        |      |      |               |               |                  |
|   | for RCC drain Walls                                                                                                                                                                                                                                                                                                                                                                                  |                | 2   | 227.00 |      | 0.75 | 340.50        |               |                  |
|   | bed                                                                                                                                                                                                                                                                                                                                                                                                  |                | 2   | 211.00 |      | 0.70 | 295.40        |               |                  |
|   | covering                                                                                                                                                                                                                                                                                                                                                                                             |                | 1   | 200.00 |      | 0.60 | 120.00        |               |                  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                      |                | 1   | 185.00 |      | 0.60 | 111.00        |               |                  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                      |                |     |        |      |      | <b>866.90</b> | <b>301.04</b> | <b>260972.00</b> |
|   | Basic Rate                                                                                                                                                                                                                                                                                                                                                                                           | 284.00         |     |        |      |      |               |               |                  |
|   | Area Weightage @ 6%                                                                                                                                                                                                                                                                                                                                                                                  | 17.04          |     |        |      |      |               |               |                  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                      | <b>301.04</b>  |     |        |      |      |               |               |                  |
| 6 | Providing & laying reinforced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specifications.                                                                                                                                                                                                  |                | Sqm |        |      |      |               |               |                  |
|   | for Covering slabs                                                                                                                                                                                                                                                                                                                                                                                   |                | 2   | 47.00  | 0.60 | 0.90 | 50.76         |               |                  |
|   | Approved Rate of Precast slab                                                                                                                                                                                                                                                                                                                                                                        | 1600           |     |        |      |      | <b>50.76</b>  | <b>1600</b>   | <b>81216.00</b>  |
| 7 | Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 68.00 (P.133 I.18.57/1) 2015-16 |                |     |        |      |      |               |               |                  |
|   | Qty Vide Item No=1+2                                                                                                                                                                                                                                                                                                                                                                                 | Cum            |     |        |      |      | <b>295.65</b> |               |                  |
|   | Qty Limited to                                                                                                                                                                                                                                                                                                                                                                                       |                |     |        |      |      | <b>295.65</b> | <b>81.73</b>  | <b>24165.00</b>  |
|   | (For 3 km = 3 x 1.28 x 2.0)                                                                                                                                                                                                                                                                                                                                                                          | 7.68           |     |        |      |      |               |               |                  |
|   | Loading and Unloading Charges                                                                                                                                                                                                                                                                                                                                                                        | 68.00          |     |        |      |      |               |               |                  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                      | <b>75.68</b>   |     |        |      |      |               |               |                  |
|   | Area Weightage @ 8%                                                                                                                                                                                                                                                                                                                                                                                  | 6.05           |     |        |      |      |               |               |                  |
|   | <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                         | <b>81.73</b>   |     |        |      |      |               |               |                  |
| 8 | Add Quality control charges @1%                                                                                                                                                                                                                                                                                                                                                                      |                |     |        |      |      |               |               | 25000.00         |
| 9 | Miscellaneous and unforeseen Charges                                                                                                                                                                                                                                                                                                                                                                 |                |     |        |      |      |               |               | 1261.00          |
|   |                                                                                                                                                                                                                                                                                                                                                                                                      |                |     |        |      |      |               | <b>Total</b>  | <b>2500000</b>   |

**(Rupees Twenty Five Lakhs Only)**

**CERTIFICATE**

- 1 The Work spot has been inspected and the work found to be necessary
- 2 The Estimate is prepared as per the PWD SR 2015-16
- 3 The Provision made in estimate are adequate and essential
- 4 This area comes under BBMP limits.

*[Signature]*  
Asst Engineer

Ward No-13

*[Signature]*  
Asst Executive Engineer

Shettyhalli Sub-Division  
BBMP

*[Signature]*  
Executive Engineer

Dasarahalli Zone  
BBMP

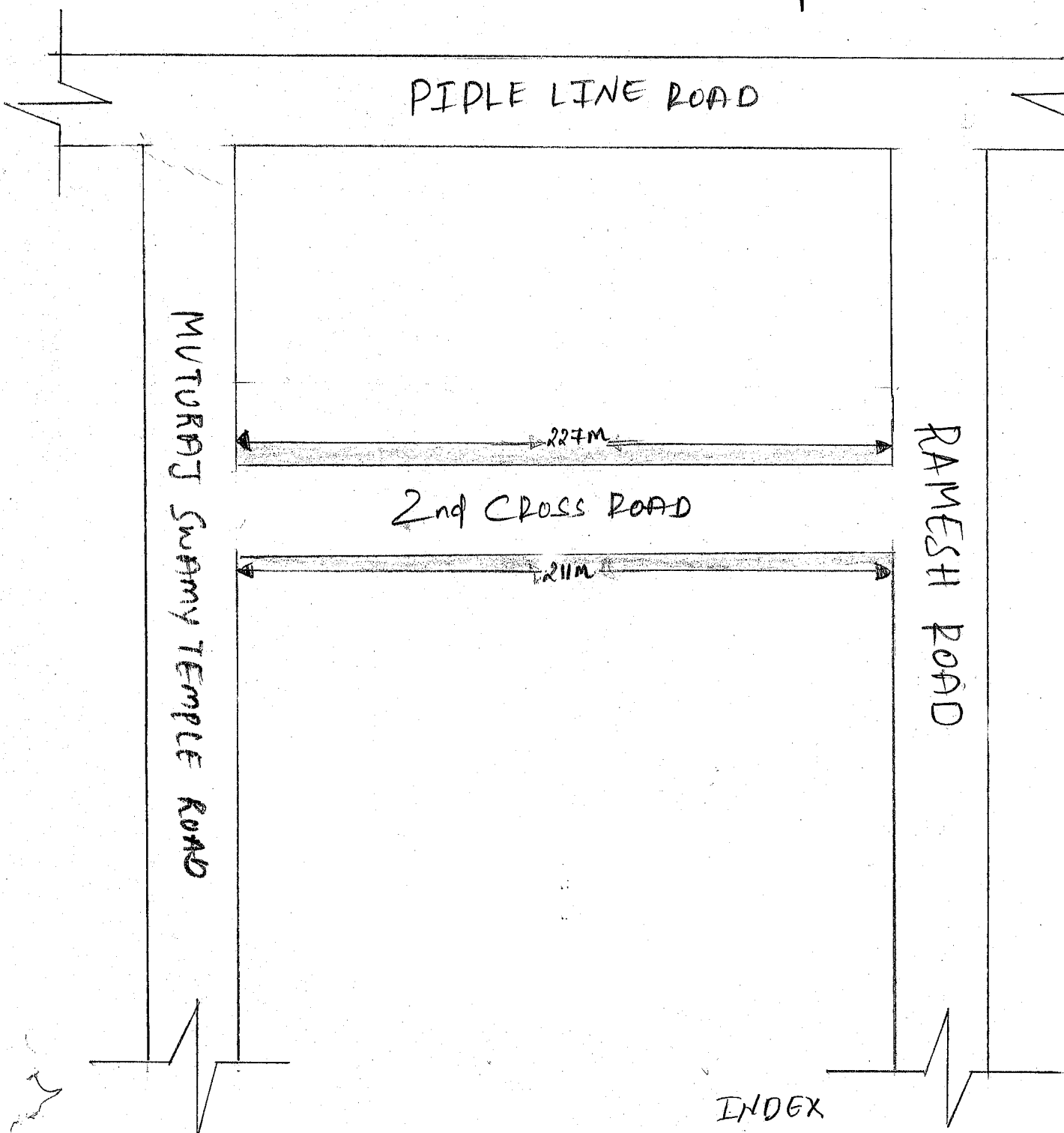
CR/D2/TS/15/15-16

ನಂ. 3940 ದಿನಾಂಕ :  
 ರೂ. 25,00,000/- (ಒಂದು ಕೋಟಿ, ಐವತ್ತು ಸಾವಿರ ರೂಪಾಯಿಗಳು)  
 ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಧಾರದ ಮೇಲೆ ನೀಡಿದೆ.  
 ಮುಖ್ಯ ಅಧಿಕಾರಿಗಳು  
 ಮಂಗಳೂರು

CR/D2/TS/13/15-16

ನಂ. 37 ದಿನಾಂಕ : 04/01/2016  
 ರೂ. 25,00,000/- (ಒಂದು ಕೋಟಿ, ಐವತ್ತು ಸಾವಿರ ರೂಪಾಯಿಗಳು)  
 ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಧಾರದ ಮೇಲೆ ನೀಡಿದೆ.  
 ಮುಖ್ಯ ಅಧಿಕಾರಿಗಳು  
 ಮಂಗಳೂರು

Name of work: Construction of RCC drain in 2nd Cross Roads at  
Prasanth Nagar, in ward no -13 in Shettyhalli sub-division



INDEX  
[Shaded Box] RCC drain

*[Signature]*

*[Signature]*

ಪ್ರಾಂಶುಪಾಲಕರು, ಶಿಬಿರ, ದಾಖಲೆ, ಬಹುಮಾನದ ಮಹಾನ್ಮನಿಷಿ